

1/5

IMCB's SARS-CoV RT-PCR Amplification Sites

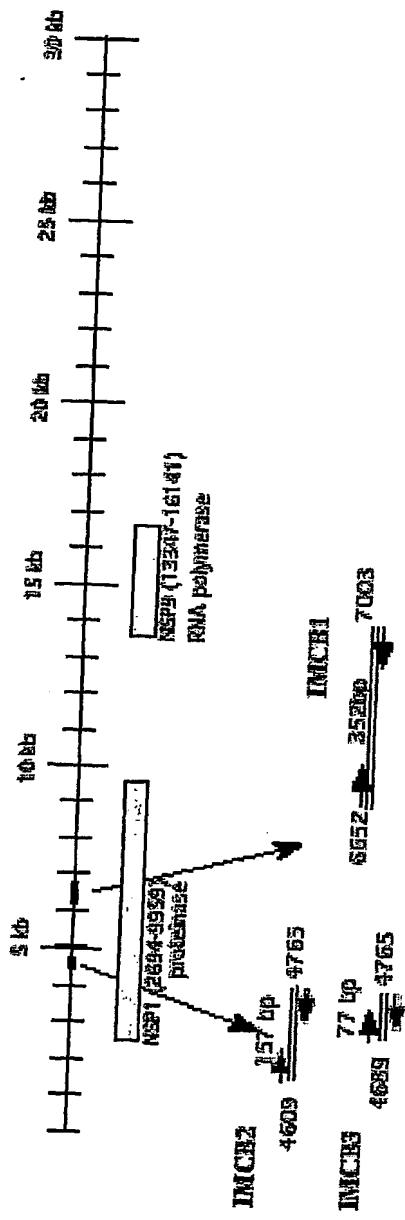


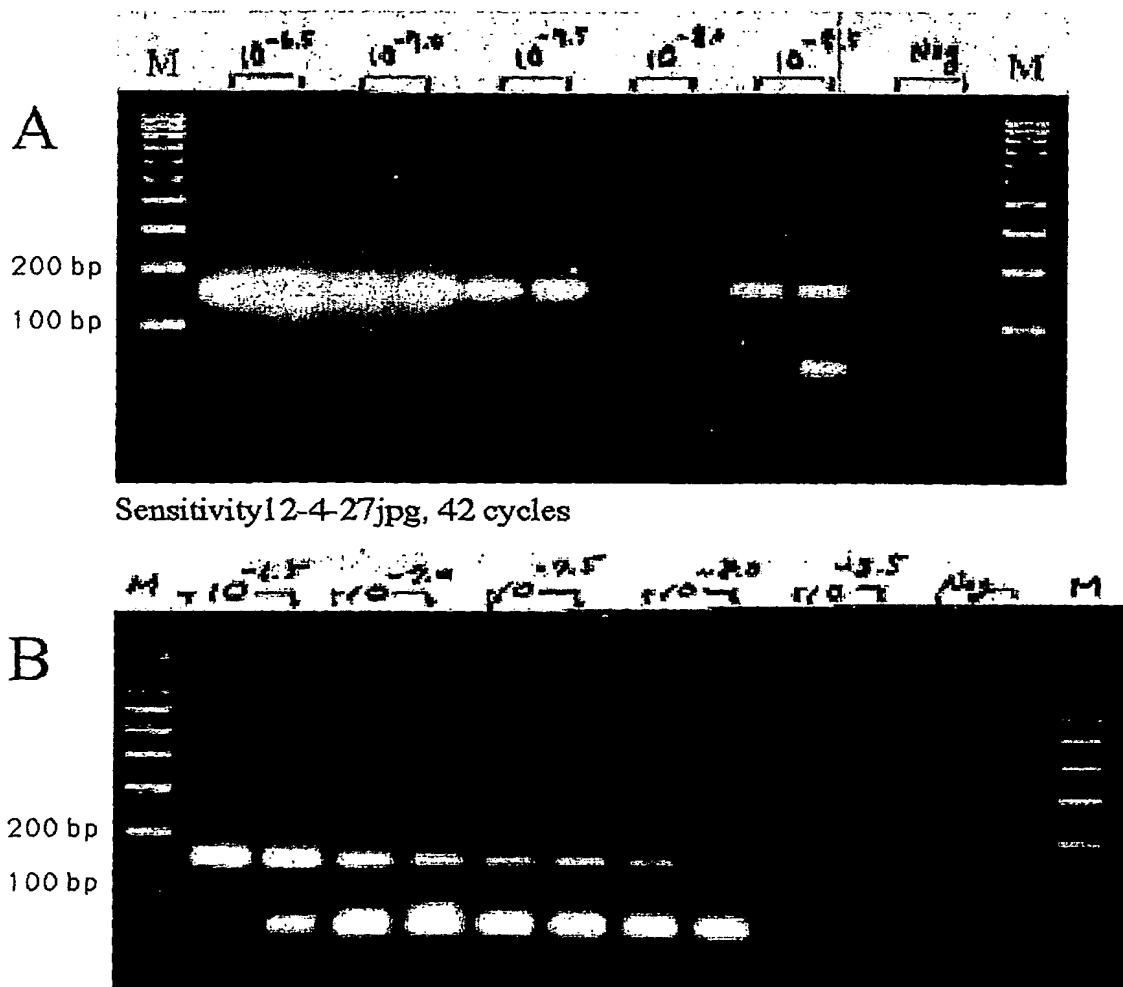
Figure 1

2/5

GGCGTAGTGT CAGTATCATC ACCAGATGCT GTTACTACAT ATAATGGATA 50
CGGCATCACA GTCATACTAG TGGTCTACGA CAATGATGTA TATTACCTAT
IMCB 3 Upper Primer
CCTCACTTCG TCATCAAAGA CATCTGAGGA GCACCTTGTAA GAAACAGTTT 100
GGAGTGAAGC AGTAGTTCT GTAGACTGCT CGTGAAACAT CTTGTCAA
IMCB 3 TacMan Probe sequence
CTTTGGCGCC GCTTACAGA GCTGGTCCT ATTCAAGGACA GCGTACAGAG 150
GAAACCGGAGG GCGGATCTT GAAACAGGA TAACTCCTGT CGCATGTCTC
template sequence IMCB 3 Lower Primer
TTAGGTG 157
CATCCAC

Figure 2

SARS-CoV One-Step RT-PCR with IMCB 2 Primer Pair



rxn=5 μ l, copies measured by ARTUS (and theoretical value)*

$10(-6.0)=26.1$ copies/rxn

$10(-6.5)=12.6$ copies/rxn, (8.2 copies/rxn)

$10(-7.0)=1.96$ copies/rxn, (2.6 copies/rxn)

$10(-7.5)=2.0$ copies/rxn, (0.8 copies/rxn)

$10(-8.0)=0.07$ copies/rxn, (0.25 copies/rxn)

$10(-8.5)=$ Not detected, (0.08 copies/rxn)

* $10(-6.0)$ is serially diluted by $10(-0.5)$ step.

Figure 3

4/5

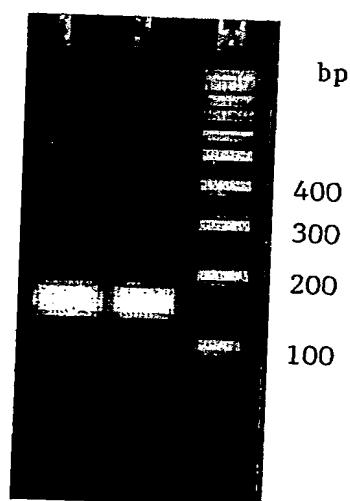


Figure 3C

5/5

SARS CoV RT-PCR Detection Sensitivity Test using IMCB1 primer pair

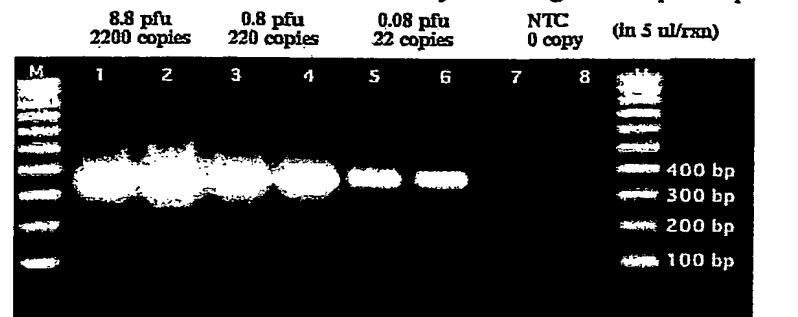
L1-2: 8.8 pfu, L3-4: 0.8 pfu, L5-6: 0.08 pfu, L7-8: NTC in 5 μ l sample. @1 pfu=250 copies

Fig. 4A

SARS CoV RT-PCR Detection Sensitivity Test using IMCB1 primer pair

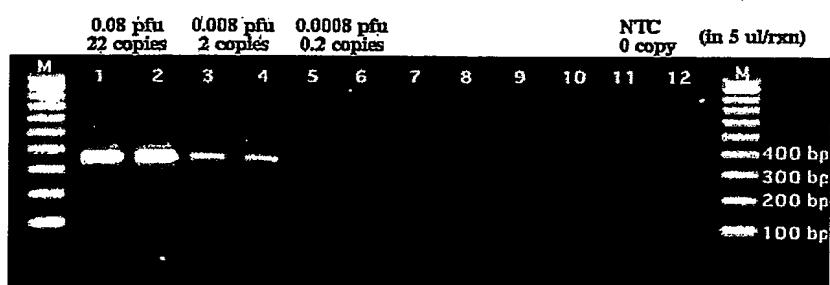
L1-2: 0.08 pfu, L3-4: 0.008 pfu, L5-6: 0.0008 pfu, L7-8: 8.8 \times 10⁻⁴, L9-10: 8.8 \times 10⁻⁵, L11-12: NTC, in 5 μ l sample. @1 pfu=250 copies

Fig. 4B

SARS CoV RT-PCR Detection Sensitivity Test using IMCB1 primer pair

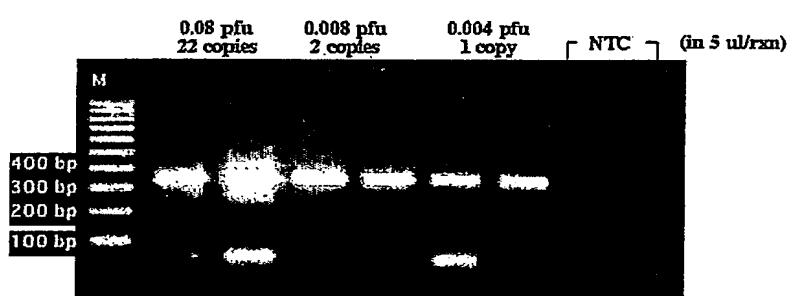
L1-2: 0.08 pfu, L3-4: 0.008 pfu, L5-6: 0.0004 pfu, L7-8: NTC, in 5 μ l sample. @1 pfu=250 copies

Fig. 4C